



# CITY OF HOUSTON

## INVITATION TO BID

December 6, 2013

### **Bid Opening:**

Sealed bids, in duplicate, will be received by the City Secretary of the City of Houston, in the City Hall Annex, Public Level, 900 Bagby, Houston, Texas 77002 until **10:30 A.M. Thursday, January 16, 2014**, and all bids will be opened and publicly read in the City Council Chamber, City Hall Annex, Public Level, 900 Bagby at 11:00 A.M. on that date for the purchase of:

### **STRUCTURAL REMEDIATION AT THE HOUSTON POLICE DEPARTMENT'S TRAINING ACADEMY FOR THE GENERAL SERVICES DEPARTMENT**

**Bid No. S50-C24829**

**NIGP Code: 909-22**

### **Buyer:**

Questions regarding this solicitation should be addressed to Arturo Lopez, Senior Procurement Specialist, at **832-393-8731** or **e-mail to [arturo.lopez@houstontx.gov](mailto:arturo.lopez@houstontx.gov)**.

### **Electronic Bidding:**

In order to submit a bid for the items associated with this procurement, you must fill in the pricing information on the "**PLACE BID**" page.

### **Prebid Conference:**

A Pre-Bid Conference will be held for all Prospective Bidders in the Strategic Purchasing Division, Concourse Level (Basement), Conference Room #1, City Hall, 901 Bagby, at 10:00 am. on **Tuesday, December 17, 2013**. The site visit will be scheduled at the pre-bid conference.

All Prospective Bidders are urged to be present. It is the bidder's responsibility to ensure that they have secured and thoroughly reviewed all aspects of the solicitation documents prior to the Pre-Bid Conference. Any revisions to be incorporated into this solicitation document arising from discussions before, during and subsequent to the Pre-Bid Conference will be confirmed in writing by Letter(s) of Clarification prior to the bid due date. Verbal responses will not otherwise alter the specifications, terms and conditions as stated herein.

Bidding forms, specifications, and all necessary information should be downloaded from the Internet at **[www.purchasing.houstontx.gov](http://www.purchasing.houstontx.gov)**. By registering and downloading this solicitation document, all updates to this solicitation document will be automatically forwarded via e-mail to any registered bidders. This information may also be obtained from the Supplier Assistance Desk, Strategic Purchasing Division, 901 Bagby, Concourse Level, Houston, Texas 77002.

The place of the bid opening may be transferred in accordance with Paragraph (b), (5) of Section 15-3 of The Code of Ordinances, Houston, Texas. The bid-opening meeting may be rescheduled in accordance with Paragraph (b), (6) of said Section 15-3.

**The City reserves the right to reject any or all bids or to accept any bid or combination of bids deemed advantageous to it.**

City employees are prohibited from bidding on this solicitation in accordance with the Code of Ordinances Section 15-1.

#### **\*CONTENTS:**

- A. OFFER
- B. SCOPE OF WORK/SPECIFICATIONS
- C. GENERAL TERMS AND CONDITIONS, GENERAL, SUPPLEMENTAL CONDITIONS AND BOND FORMS

\*NOTE 1: Actual page numbers for each section may change when the solicitation document is downloaded from the Internet or because of letters of clarification. Therefore, bidders must read the solicitation document in its entirety and comply with all the requirements set forth therein.

\*NOTE 2: **To be considered for award please submit the electronic bid form and the forms listed in section A, including the signature page, which must be signed by a company official authorized to bind the company and a 10% Bid Bond.**

## SECTION A



### FORMAL ONE-TIME BID

**STRUCTURAL REMEDIATION AT THE HOUSTON POLICE DEPARTMENT'S TRAINING ACADEMY  
FOR THE GENERAL SERVICES DEPARTMENT  
Bid No. S50-C24829  
NIGP Code: 909-22**

To The Honorable Mayor  
and City Council Members  
of the City of Houston, Texas (the "City"):

The undersigned hereby offers to provide services necessary to provide **Structural Remediation at the Houston Police Department's Training Academy located at, 17,000 Aldine Westfield, Houston, TX for the General Services Department**, F.O.B. destination point Houston, Texas, in accordance with the City's Specifications and General Terms & Conditions and/or samples/drawings provided herein. When issued by the City of Houston, Letters of Clarification shall automatically become part of this bid document and shall supersede any previous specifications or provisions in conflict with Letters of Clarification. It is the responsibility of the bidder to ensure that it has obtained all such letters. By submitting a bid on this project, bidder shall be deemed to have received all Letters of Clarification and to have incorporated them into the bid.

The City may accept this bid offer by issuance of a Notice of Award Letter and/or a Purchase Order at any time on or before the 120th day following the day this Official Bid Form is opened by the City. This offer shall be irrevocable for 120 days after bid opening or for 90 days after City Council awards the bid, whichever comes last, but this period may be extended by written agreement of the parties.

**The City reserves the right to INCREASE quantities during the twelve-month period following the issuance of the first purchase order subject to agreement in writing by the Prime Contractor/Supplier to honor the same bid price.**

The City reserves the option, after bids are opened, to adjust the quantities listed on the electronic bid form upward or downward, subject to the availability of funds, and/or make award (s) on a line item basis.

## SECTION A

**Documents/forms must be downloaded from the City's Website**  
**<http://www.houstontx.gov/purchasing/index.html>**

### **Additional Required Forms to be Included with this bid:**

In addition to the electronic Bid Form and the Official Signature Page, the Forms listed in Table 1 **must be completed and submitted to the Office of the City Secretary on or before the date and time the bid is due:**

<b>Table 1</b>
Affidavit of Ownership
Fair Campaign Ordinance
Statement of Residence
Conflict of Interest Questionnaire
10% Bid Bond
Contractor References / Questionnaire
Pay or Play Health Insurance Program Acknowledgement Form 1A

Table 2 lists other documents and forms that should be viewed/downloaded from the City's website, but are not required to be submitted with the bid. The City will request these forms, as applicable, to be completed and submitted to the City by the recommended/successful bidder:

<b>Table 2</b>
Formal Instructions for Bid Terms
Drug Forms
Sample Insurance Certificate / Over \$50,000
Construction Insurance OCP
Construction 2012 Building Wage Decision
Pay or Play Certification of Agreement Form 2
Pay or Play Form 3 / List of all Subcontractors
Bonds for Construction

### **Note:**

Questions concerning the Bid should be submitted in writing to: City of Houston, Strategic Purchasing Division, 901 Bagby, Room B506, Houston, TX 77002, Attn: Arturo Lopez or via fax: 832-393-8759 or via email (preferred method) to [arturo.lopez@cityofhouston.net](mailto:arturo.lopez@cityofhouston.net) no later than **4:00 PM, Monday, December 23, 2013.**

### **PERMITS:**

Successful Contractor shall be responsible for securing any and all permits for proposed work. Any fee charged for these permits should be the responsibility of the Contractor and not the City of Houston.

**CITY BUILDING CODES:**

All work performed or equipment installed shall be in strict accordance with the City of Houston Building Codes. The Contractor will immediately correct any deficiencies discovered during work or after completion. Failure to correct deficiencies will result in the City having corrections made at the Contractor's expense.

**BID BOND:**

The Contractor shall be required to provide and submit with the bid a Bid Bond in the amount of 10% of the total amount bid by the Contractor. The Bid Bond shall be in the same form as that distributed by the City, and attached hereto, all duly executed by this Bidder (as "Principal") and by a corporate surety company licensed to do business in the State of Texas, and if the amount of the bond is greater than \$100,000.00 the surety must hold a certificate of authority from the United States Secretary of the Treasury, or a Cashier's or a Certified check in a like amount. Company or personal checks are not acceptable.

**PERFORMANCE BOND and PAYMENT BOND:**

The successful Contractor(s) shall be required to provide a Performance and Payment Bond in the total amount (100%) of the Contract if the award is in excess of \$25,000.00.

The Performance and/or Payment Bond shall be in the same form as that distributed by the City, and attached hereto, all duly executed by this bidder (as "Principal") and by an incorporated surety company licensed to do business in the State of Texas. If the amount of the bond is greater than \$100,000.00 the surety must hold a certificate of authority from the United States Secretary of the Treasury.

The Contractor(s) shall be required to provide a Performance and/or Payment Bond as outlined above, which will be delivered to the City Purchasing Agent of the City, on or before the tenth (10<sup>th</sup>) day following the day the bidder receives notice from the City.

**MAINTENANCE BOND:**

The Contractor shall furnish a maintenance bond in the total (100%) bid amount in the form required by the City (samples attached). One bond, also referred to as the One Year Maintenance Bond, will be conditioned upon Contractor's repair, replacement or restoration of any work or any portion of the work which is found to be defective or fails in any way to comply strictly with this contract or the plans and specifications for such work within a period of one (1) year from the date of acceptance of such work by the City Council or after the date that the "CO", or his designee in writing, determines, in a written notice to the Contractor, to be the date upon which the project is both substantially complete and available for the full and beneficial occupancy or use of the City.

**QUALITY AND WORKMANSHIP**

The bidder must be able to demonstrate upon request that it has performed satisfactorily, services similar to the services specified herein. The bidder will provide records of warranty and repair services performed for others upon request. The City of Houston shall be the sole judge whether the services performed are similar to the scope of services specified herein.

## **SITE INSPECTION**

The City of Houston reserves the right to inspect the bidder's current place of business to evaluate equipment condition and capabilities, staff experience, training and capabilities, and storage capabilities as they relate to the performance of this contract.

## **PROTEST**

A protest shall comply with and be resolved, according to the City of Houston Procurement Manual [http://purchasing.houstontx.gov/docs/Procurement\\_Manual.pdf](http://purchasing.houstontx.gov/docs/Procurement_Manual.pdf) and rules adopted thereunder. Protests shall be submitted in writing and filed with both, the City Attorney and the Solicitation contact person. A pre-award protest of the ITB shall be received five (5) days prior to the solicitation due date and a post-award protest shall be filed within five (5) days after City Council approval of the contract award.

A protest shall include the following:

- The name, address, e-mail, and telephone number of the protester;
- The signature of the protester or its representative who has the delegated authority to legally bind its company;
- Identification of the ITB description and the ITB or contract number;
- A detailed written statement of the legal and factual grounds of the protest, including copies of relevant documents, etc.; and
- The desired form of relief or outcome, which the protester is seeking

## **INTERLOCAL AGREEMENTS:**

Under the same terms and conditions hereunder, the Contract may be expanded to other government entities through inter-local agreements between the City of Houston and the respective government entity that encompass all or part of the products/services provided under this contract. Separate contracts will be drawn to reflect the needs of each participating entity.

## **NO CONTACT PERIOD:**

Neither bidder(s) nor any person acting on bidder(s)'s behalf shall attempt to influence the outcome of the award by the offer, presentation or promise gratuities, favors, or anything of value to any appointed or elected official or employee of the City of Houston, their families or staff members. All inquiries regarding the solicitation are to be directed to the designated City Representative identified on the first page of the solicitation. Upon issuance of the solicitation through the pre-award phase and up to the award, aside from bidder's formal response to the solicitation, communications publicly made during the official prebid conference, written requests for clarification during the period officially designated for such purpose by the City Representative, neither bidder(s) nor persons acting on their behalf shall communicate with any appointed or elected official or employee of the City of Houston, their families or staff through written or oral means in an attempt to persuade or influence the outcome of the award or to obtain or deliver information intended to or which could reasonably result in an advantage to any bidder. However, nothing in this paragraph shall prevent a bidder from making public statements to the City Council convened for a regularly scheduled session after the official selection has been made and placed on the City Council agenda for action.

## **HIRE HOUSTON FIRST:**

### **Designation as a City Business or Local Business**

To be designated as a City or Local Business for the purposes of the Hire Houston First Program, as set out in Article XI of Chapter 15 of the Houston City Code, a bidder or proposer must submit the **Hire Houston First Application and Affidavit (“HHF Affidavit”)** to the Director of the Mayor’s Office of Business Opportunities and receive notice that the submission has been approved prior to award of a contract. Bidders are encouraged to secure a designation prior to submission of a bid or proposal if at all possible.

**Download the HHF Affidavit** from the Office of Business Opportunities Webpage at the City of Houston e-Government Website at the following location:

<http://www.houstontx.gov/hbsc/hirehoustonfirstaffidavit.pdf>

### **Award of Procurement of \$100,000 or More for Purchase of Non-Professional Services , Including Construction Services:**

THE CITY WILL AWARD THIS PROCUREMENT TO A ” CITY BUSINESS,” AS THAT TERM IS DEFINED IN SECTION 15-176 OF THE CITY OF HOUSTON CODE OF ORDINANCES (“THE CODE”)

- IF THE BID OF THE LOCAL BUSINESS IS THE LOWEST RESPONSIBLE BID OR IS WITHIN 3% OF THE LOWEST BID RECEIVED, AND
- UNLESS THE USER DEPARTMENT DETERMINES THAT SUCH AN AWARD WOULD UNDULY INTERFERE WITH CONTRACT NEEDS, AS PROVIDED IN SECTION 15-181 OF THE CODE.

IF THERE IS NO BID OF A LOCAL BUSINESS THAT MEETS THESE CRITERIA, THE CITY WILL AWARD THE PROCUREMENT TO THE LOWEST RESPONSIBLE BIDDER

### **Award of Procurement under \$100,000 Purchase of Non-Professional Services Including Construction Services:**

THE CITY WILL AWARD THIS PROCUREMENT TO A “LOCAL BUSINESS,” AS THAT TERM IS DEFINED IN SECTION 15-176 OF THE CITY OF HOUSTON CODE OF ORDINANCES

- IF THE BID OF THE CITY BUSINESS IS THE LOWEST RESPONSIBLE BID OR IS WITHIN 5% OF THE LOWEST BID RECEIVED, AND
- UNLESS THE USER DEPARTMENT DETERMINES THAT SUCH AN AWARD WOULD UNDULY INTERFERE WITH CONTRACT NEEDS, AS PROVIDED IN SECTION 15-181 OF THE CODE.

IF THERE IS NO BID OF A LOCAL BUSINESS THAT MEETS THESE CRITERIA, THE CITY WILL AWARD THE PROCUREMENT TO THE LOWEST RESPONSIBLE BIDDER

### **Award of Procurement that may be More or Less than \$100,000 for Purchase of Non-Professional Services, Including Construction Services:**

THE CITY WILL AWARD THIS PROCUREMENT TO A ” LOCAL BUSINESS,” AS THAT TERM IS DEFINED IN SECTION 15-176 OF THE CITY OF HOUSTON CODE OF ORDINANCES (“THE CODE”)

- IF THE BID OF THE LOCAL BUSINESS IS LESS THAN \$100,000 AND IS THE LOWEST RESPONSIBLE BID OR IS WITHIN 5% OF THE LOWEST BID RECEIVED, OR
- IF THE BID OF THE LOCAL BUSINESS IS MORE THAN \$100,000 AND IS THE LOWEST RESPONSIBLE BID OR IS WITHIN 3% OF THE LOWEST BID RECEIVED, AND
- UNLESS THE USER DEPARTMENT DETERMINES THAT SUCH AN AWARD WOULD UNDULY INTERFERE WITH CONTRACT NEEDS, AS PROVIDED IN SECTION 15-181 OF THE CODE.

IF THERE IS NO BID OF A LOCAL BUSINESS THAT MEETS THESE CRITERIA, THE CITY WILL AWARD THE PROCUREMENT TO THE LOWEST RESPONSIBLE BIDDER

**CONTRACTOR'S QUESTIONNAIRE:**

In order to receive bid award consideration, the bidder must be able to demonstrate that they are currently providing or have had at least one contract, similar in size and scope, for ***structural remediation services which included repairing and installing reinforced steel bars in the concrete masonry units (CMU's)*** that is similar in size and scope to this project. **Bidder must have references documenting that it has performed structural remediation services of a similar size and scope as stipulated in the scope of work / specifications and attendant drawings.** The reference(s) should be included in the space provided below. Please attach another piece of paper if necessary. If references are not included with the bid, the bidder shall be required to provide such references to the City of Houston within five working days from receipt of a written request from the City of Houston to do so. **Bidder's capability and experience shall be a factor in determining the Contractor's responsibility.**

1. Business Name: \_\_\_\_\_  
Business Address: \_\_\_\_\_  
City, State, Zip: \_\_\_\_\_  
**Name of Owner/Contact Person:** \_\_\_\_\_  
Phone: \_\_\_\_\_ Fax: \_\_\_\_\_ Email: \_\_\_\_\_  
No. of Years providing Service to this business: \_\_\_\_\_

2. Business Name: \_\_\_\_\_  
Business Address: \_\_\_\_\_  
City, State, Zip: \_\_\_\_\_  
Name of Owner/Contact Person: \_\_\_\_\_  
Phone: \_\_\_\_\_ Fax: \_\_\_\_\_ Email: \_\_\_\_\_  
No. of Years providing Service to this business: \_\_\_\_\_

3. Business Name: \_\_\_\_\_  
Business Address: \_\_\_\_\_  
City, State, Zip: \_\_\_\_\_  
Name of Owner/Contact Person: \_\_\_\_\_  
Phone: \_\_\_\_\_ Fax: \_\_\_\_\_ Email: \_\_\_\_\_  
No. of Years providing Service to this business: \_\_\_\_\_

4. Business Name: \_\_\_\_\_  
Business Address: \_\_\_\_\_  
City, State, Zip: \_\_\_\_\_  
Name of Owner/Contact Person: \_\_\_\_\_  
Phone: \_\_\_\_\_ Fax: \_\_\_\_\_ Email: \_\_\_\_\_  
No. of Years providing Service to this business: \_\_\_\_\_

## SECTION B SCOPE OF WORK

### 1.0 General:

- 1.1 The Contractor shall be required to provide all materials, labor, equipment, transportation, insurance, permits, bonds and other services necessary to to repair and install reinforced steel bars in the concrete masonry unit (CMU) walls at the Police Training Academy's Indoor Shooting Range, located at 1700 Aldine Westfield, Houston, TX, 77073, as specified in the technical specifications and the structural drawings.
- 1.2 Structural Repair Procedures:
  - 1.2.1 The Contractor shall be required to repair existing CMU walls around the Electrical Room and IT Server Room and brace with steel angle.
  - 1.2.2 The Contractor shall be required to prep areas where new CMU block ties into the existing CMU and include all structural steel bracing.
  - 1.2.3 The Contractor shall be required to drill vertical re-bar and epoxy in place.
  - 1.2.4 The Contractor shall be required to furnish and install 3'-0" x 8'-0" hollow-metal masonry door frames. The Contractor shall also be required to purchase hollow-metal doors for the frames. *(The City will furnish all hardware and hang the doors)*
  - 1.2.5 The Contractor shall be required to install conduit, electrical and data boxes in the CMU walls. All electrical runs shall be vertical and stubbed out above ceiling. City electricians, working with the masons will purchase the materials & make up the boxes and conduit stub-ups. The City electricians will work with the masons to place the rough-ins in the proper place per the plans.

#### STRUCTURAL DRAWINGS/TECHNICAL SPECIFICATIONS

can be viewed on the following website

<https://purchasing.houstontx.gov/buyer/BidDocumentManager.aspx?id=C24829>

### 1.3 Door Schedule:

- 1.3.1 New door frames must be 16 gauge hollow-metal frames. *(RACO aluminum frames will not be accepted)*
- 1.3.2 See Drawing No. SK-2 for jamb and head details.
- 1.3.3 Door frame height must be 8' high to match existing with upper transom panel.

#### DOOR SCHEDULE DRAWINGS/TECHNICAL SPECIFICATIONS

can be viewed on the following website

<https://purchasing.houstontx.gov/buyer/BidDocumentManager.aspx?id=C24829>

2.0 Performance Time:

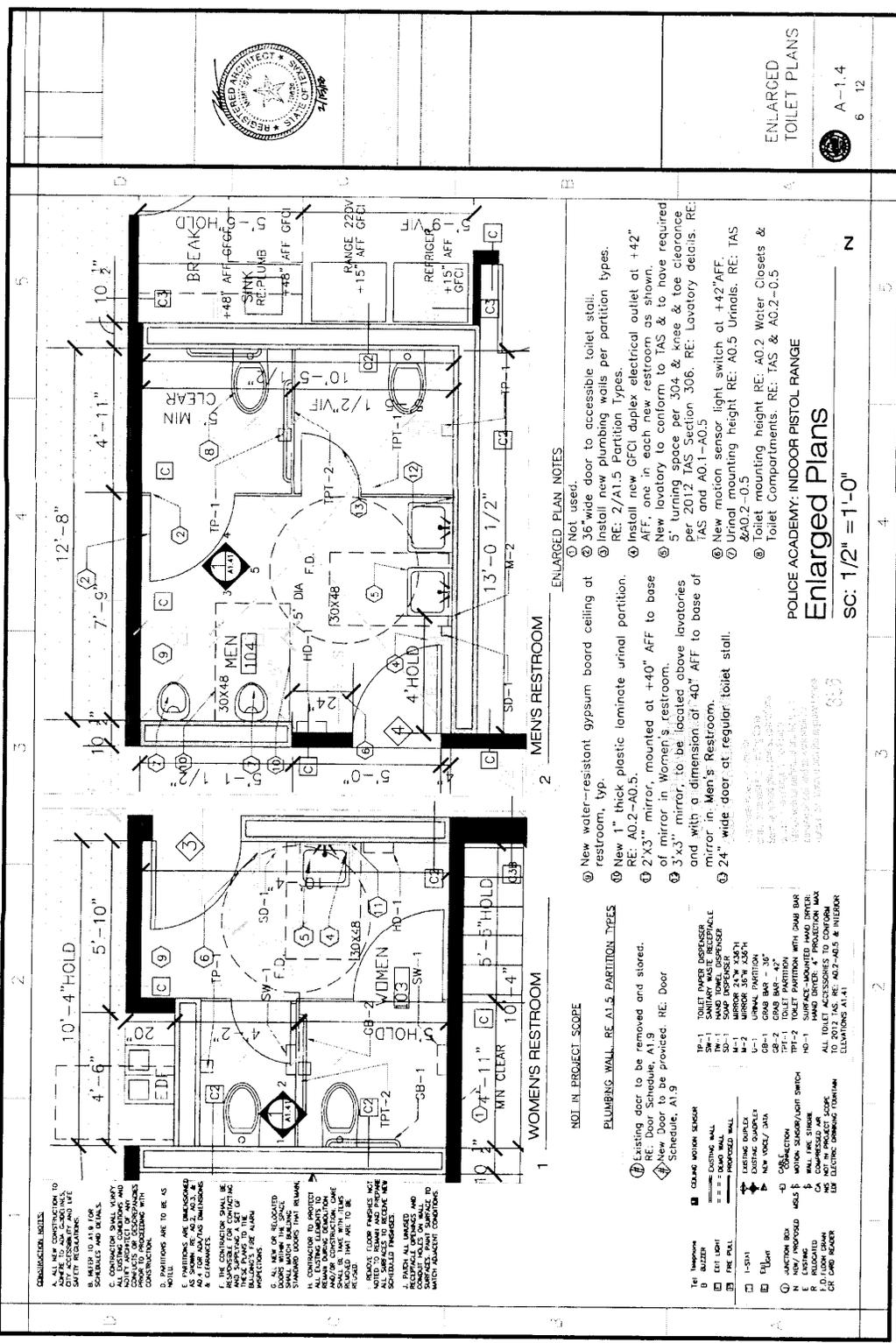
2.1 The Contractor shall have **45 calendar days** to order all supplies/equipment and complete all the work associated with and required by the contract after receipt of the written Notice to Proceed from the City.

3.0 Warranty:

3.1 The Contractor shall warranty all materials, equipment and workmanship for **one year**.

END OF SECTION





ENLARGED  
TOILET PLANS

A-1.4  
6 12

ENLARGED PLAN NOTES

- ① New water-resistant gypsum board ceiling at restrooms, tp.
- ② New 1" thick plastic laminate urinal partition. RE: A0.2-A0.5.
- ③ 2'x3" mirror, mounted at +40" AFF to base of mirror in Women's restroom.
- ④ 3'x3" mirror, to be located above lavatories and with a dimension of 40" AFF to base of mirror in Men's Restroom.
- ⑤ 24" wide door at regular toilet stall.
- ⑥ New motion sensor light switch at +42" AFF.
- ⑦ Urinal mounting height RE: A0.5 Urinals. RE: TAS & A0.2-0.5
- ⑧ Toilet mounting height RE: A0.2 Water Closets & Toilet Compartments. RE: TAS & A0.2-0.5

Enlarged Plans  
SC: 1/2" = 1'-0"

**CONSTRUCTION NOTES:**  
 A. ALL NEW CONSTRUCTION TO BE DONE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE BUILDING CODES AND ALL APPLICABLE REGULATIONS.  
 B. VERIFY ALL DIMENSIONS AND LOCATIONS WITH THE CONTRACTOR.  
 C. CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE BUILDING CODES AND ALL APPLICABLE REGULATIONS.  
 D. PARTITIONS ARE TO BE AS SHOWN.  
 E. ALL NEW OR RELOCATED ELECTRICAL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NATIONAL ELECTRICAL CODE (NEC) AND ALL APPLICABLE REGULATIONS.  
 F. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL AUTHORITIES.  
 G. ALL NEW OR RELOCATED MECHANICAL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST EDITIONS OF THE MECHANICAL CODES AND ALL APPLICABLE REGULATIONS.  
 H. ALL NEW OR RELOCATED PLUMBING EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST EDITIONS OF THE PLUMBING CODES AND ALL APPLICABLE REGULATIONS.  
 I. VERIFY ALL DIMENSIONS AND LOCATIONS WITH THE CONTRACTOR.  
 J. ALL NEW OR RELOCATED ELECTRICAL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NATIONAL ELECTRICAL CODE (NEC) AND ALL APPLICABLE REGULATIONS.  
 K. ALL NEW OR RELOCATED MECHANICAL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST EDITIONS OF THE MECHANICAL CODES AND ALL APPLICABLE REGULATIONS.  
 L. ALL NEW OR RELOCATED PLUMBING EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST EDITIONS OF THE PLUMBING CODES AND ALL APPLICABLE REGULATIONS.

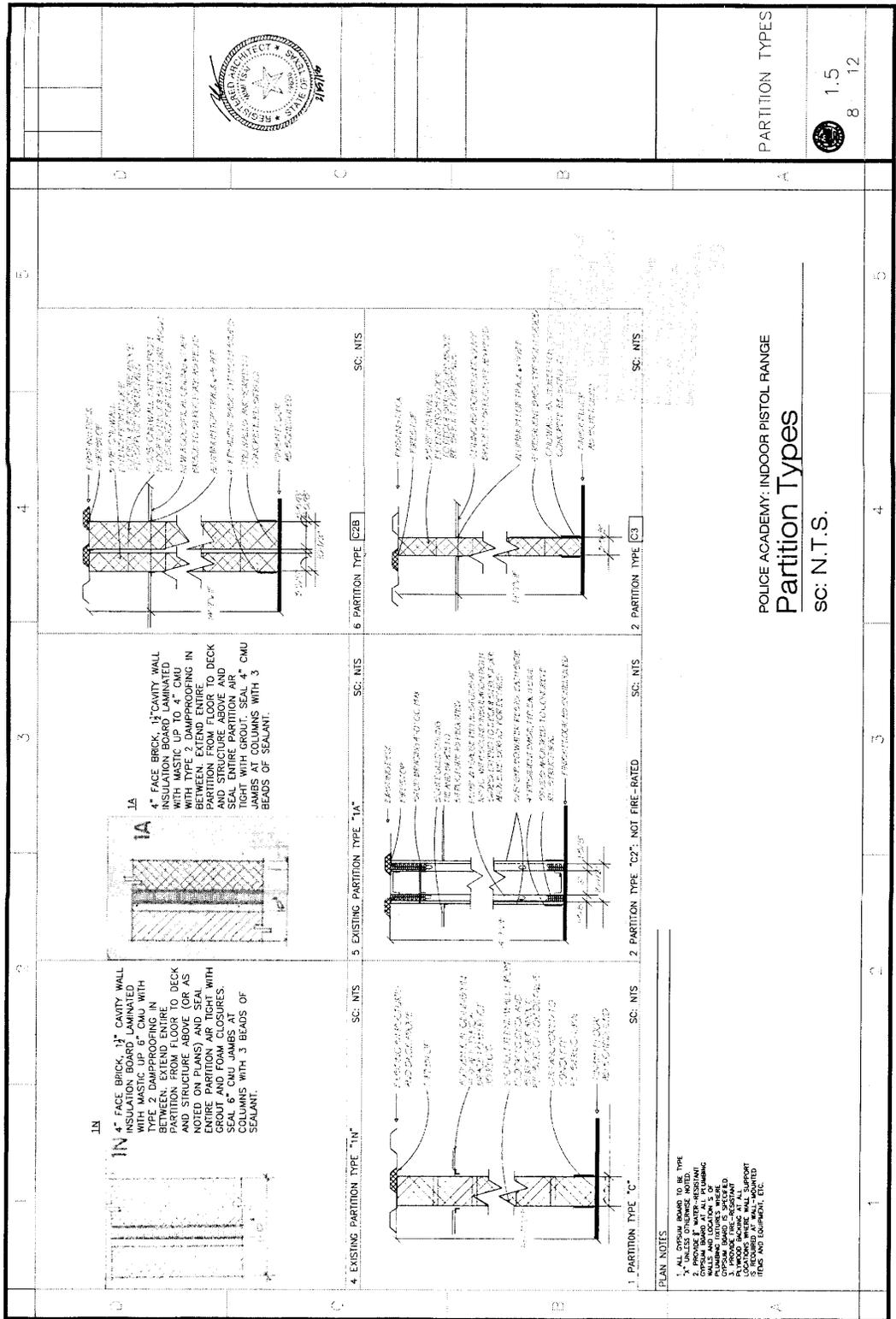
NOT IN PROJECT SCOPE

PLUMBING WALL RE: A1.5 PARTITION TYPES

① Existing door to be removed and stored.  
 RE: Door Schedule, A1.9

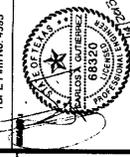
② New Door to be provided. RE: Door Schedule, A1.9

TP-1	TOILET PARTITION	TP-1	TOILET PARTITION
SW-1	WOMEN'S VAINITY	SW-1	WOMEN'S VAINITY
TR-1	HAND TOWEL DISPENSER	TR-1	HAND TOWEL DISPENSER
M-1	MIRROR 24" X 36"	M-1	MIRROR 24" X 36"
M-2	MIRROR 36" X 36"	M-2	MIRROR 36" X 36"
CB-1	GRAB BAR 18"	CB-1	GRAB BAR 18"
CB-2	GRAB BAR 42"	CB-2	GRAB BAR 42"
TPF-1	TOILET PARTITION	TPF-1	TOILET PARTITION
HO-1	HOLD	HO-1	HOLD
SD-1	SHOWER	SD-1	SHOWER
ED-1	EXISTING DOOR	ED-1	EXISTING DOOR
CA	COMPRESSED AIR	CA	COMPRESSED AIR
LD	ELECTRIC LIGHTING CONTROL	LD	ELECTRIC LIGHTING CONTROL



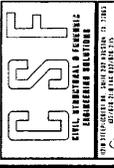
POLICE ACADEMY: INDOOR PISTOL RANGE  
**Partition Types**  
 SC: N.T.S.

PARTITION TYPES  
 8 1.5 12

NO.	ISSUE LOG	DATE	DESCRIPTION	PERMIT	
0		2/14/13			
 					
<b>CITY OF HOUSTON</b> <b>GENERAL SERVICES</b> <b>DEPARTMENT</b>					
PROJECT NO: 13-7 PROJECT TITLE: 13-7 DRAWN BY: DM CHECKED BY: CAC SHEET TITLE:					
DATE: 2-14-2013 PROJECT NO: 13-7 PROJECT TITLE: 13-7 DRAWN BY: DM CHECKED BY: CAC SHEET TITLE:					
<b>GENERAL NOTES</b>					
SHEET NO. <b>S00</b> 1 OF 5 SHEETS CITY DRAW NO. 13-7					
A	1	2	3	4	5
<p><b>1. DESIGN</b>          THE DESIGN OF THE BUILDINGS AND/OR STRUCTURES SHOWN WITHIN THESE CONTRACT DOCUMENTS IS IN ACCORDANCE WITH THE FOLLOWING CODES AND STANDARDS:          A. 2006 INTERNATIONAL BUILDING CODE          B. ASCE 7-05          C. DESIGN OF STAIRS AND HANDRAILS SHALL MEET LOADING REQUIREMENTS OF SECTION 1607.7.1 OF BUILDING CODE FABRICATOR SHALL SUBMIT SIGNED AND SEALED CALCULATIONS TO ENGINEER FOR REVIEW.          THE DESIGN LOADS PERTINENT TO THE STRUCTURAL DESIGN OF THE BUILDINGS AND/OR STRUCTURES ARE AS FOLLOWS:</p> <p><b>A. ROOF LIVE LOAD:</b> 20 PSF</p> <p><b>B. ROOF DEAD LOADS:</b></p> <ul style="list-style-type: none"> <li>i. INSULATION 3 PSF</li> <li>ii. ROOFING 1 PSF</li> <li>iii. DECK 2 PSF</li> <li>iv. FRAMING 5 PSF</li> <li>v. CEILING 1 PSF</li> <li>vi. COLLATERAL 1 PSF</li> <li>vii. TOTAL 4 PSF</li> <li>viii. TOTAL 20 PSF</li> </ul>	<p><b>2. CONCRETE MASONRY UNIT (CMU)</b>          MASONRY WORK SHALL CONFORM TO ALL REQUIREMENTS OF ACI 531, "BUILDING CODE REQUIREMENTS FOR CONCRETE MASONRY STRUCTURES"; AND ACI 531, "BUILDING CODE REQUIREMENTS FOR CONCRETE MASONRY STRUCTURES".          2. HOLLOW CONCRETE MASONRY UNITS SHALL CONFORM TO ASTM C90 (NORMAL OR MEDIUM WEIGHT), GRADE N, TYPE L, (m = 1,500 psi, NET COMPRESSIVE STRENGTH OF 1,300 psi PER ASMT C140), RUNNING BOND.          3. MORTAR SHALL CONFORM TO ASTM C270 AND SHALL CONFORM TO THE PROPORTION SPECIFICATION OF TABLE 9.0.2.7 (3) TYPE S WITH 28 DAY COMPRESSIVE STRENGTH OF 1,300 psi. MASONRY CEMENT AND RETARDED CEMENTS SHALL NOT BE USED.          4. TABLE 9.0.2.7 (3) FINE OR COARSE GROUT WITH 28 DAY COMPRESSIVE STRENGTH OF 2,000 psi, TESTED PER ASTM C1019. GROUT SHALL BE FREE OF CHANGES WITHIN A 4" MINIMUM SLUMP TO ASTM A 951. PROVIDE MINIMUM 12" LAPS AT ALL SPICES.          5. HORIZONTAL JOINT REINFORCING SHALL BE LADDER TYPE IN CMU WALLS WITH NO. 5 GAUGE WIRE CONFORMING TO ASTM A 951. PROVIDE MINIMUM 12" LAPS AT ALL SPICES.          6. SEE DETAILS AND NOTES ON DRAWINGS FOR SIZE AND SPACING OR REINFORCING BARS (IN NO CASE SHALL WALLS HAVE LESS THAN 45 VERTICAL BARS AT 37" O.C.). LAP SPICES OF REINFORCING IN MASONRY SHALL CONFORM TO STANDARDS, UNLESS NOTED OTHERWISE ON DRAWINGS OR WALLS SHALL BE GROUTED AND REINFORCED WITH # 6 @ 24" VERTICALLY AND 1/4" LADDER HORIZONTAL REINFORCING @ 18" O.C. VERTICALLY. LAP SPICES SHALL BE 6" MINIMUM.          7. PROVIDE VERTICAL CORNER BARS CONTINUOUS THROUGH CORNERS AND INTERSECTIONS OF HORIZONTAL BOND BEAMS SHALL MATCH SIZE AND SPACING OF ALL VERTICAL REINFORCING. EXTEND ALL HORIZONTAL BOND BEAM REINFORCING IN MASONRY CONTINUOUS AROUND CORNERS AND INTERSECTIONS OR PROVIDE BENT CORNER BARS TO MATCH AND LAP HORIZONTAL BOND BEAM REINFORCING AT CORNERS AND INTERSECTIONS. ALL REINFORCING IN MASONRY SHALL BE ACCURATELY LOCATED PRIOR TO GROUTING AND THE POSITION MAINTAINED DURING GROUTING.          8. PROVIDE CORNER BARS AND ADDITIONAL GROUT SPACES AS REQUIRED BY THE DRAWINGS.          9. 1 1/2" INCHES BELOW THE TOP COURSE OF UNITS. PLACE GROUT CONTINUOUSLY. DO NOT INTERRUPT GROUTING FOR MORE THAN ONE HOUR. MECHANICALLY VIBRATE GROUT IN VERTICAL SPACES IMMEDIATELY AFTER POURING AND AGAIN 5 MINUTES LATER. ROUGHING OF GROUT IS NOT ACCEPTABLE.          10. UNLESS NOTED OTHERWISE ON THE DRAWINGS, PROVIDE VERTICAL MASONRY CONTROL JOINTS SUCH THAT NO STAIRS POINT OF WALL EXCEEDS 24'-0". DO NOT LOCATE CONTROL JOINT WITHIN 2 FEET OF OPENING OR WALL THEREAFTER UNLESS DIRECTED OTHERWISE BY THE ARCHITECT.          11. GROUT TEST. TEST ONE SAMPLE AT 7 DAYS AND TWO AT 28 DAYS. ALL TESTING DONE BY A QUALIFIED TESTING LABORATORY.          12. DIRECTED MASONRY SHALL BE FOG SPRAYED EVERY 8 HOURS FOR 72 HOURS FOLLOWING INSTALLATION WHEN THE MEAN DAILY TEMPERATURE EXCEEDS 100° F OR WHEN THE MEAN DAILY TEMPERATURE EXCEEDS 90° F AND THE WIND VELOCITY IS GREATER THAN 8 MPH DURING THE FIRST 72 HOURS AFTER ERECTION.          13. STEEL WALLS SHALL BE CONSTRUCTED TO THE REQUIREMENTS OF THE ASSOCIATED CONCRETE FOOTING AND REINFORCING BARS SHALL BE GRADE 60 AND CONFORM TO THE REQUIREMENTS OF ASTM A 632.          14. CMU WALLS SHALL BE GRADE 60 AND CONFORM TO THE REQUIREMENTS OF ASTM A 632.          15. CONTINUOUS BOND BEAMS SHALL BE PLACED AT 10" ON CENTER VERTICALLY AND AT THE TOP OF EACH WALL BEAMS SHALL BE GROUTED CONTINUOUSLY AND REINFORCED WITH #6 CONTINUOUS MINIMUM.          16. ALL WALLS SHALL BE SUPPORTED BY THICKENED SUB PER TYPICAL DETAILS AND ATTACHED TO ROOF DECK AT 48" VERTICALLY.          17. THE FIRST TWO VERTICAL CELLS AT WALL OPENINGS AND WALL ENDS ARE TO BE CONCRETE FLEED AND REINFORCED WITH #6 VERTICALLY.</p>	<p><b>3. ESTABLISH AND VERIFY ALL OPENINGS, INSERTS OR EQUIPMENT FOR ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING WITH APPROPRIATE TRADE. IT IS THE GENERAL CONTRACTOR'S RESPONSIBILITY TO COORDINATE WITH THE SUBCONTRACTORS AND EQUIPMENT SUPPLIERS. EQUIPMENT BEINGS SUPPORTED BY OPENINGS SHALL BE PROPERLY ENGINEERED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN OF ALL STRUCTURAL ELEMENTS (BEAMS, COLUMNS, WALLS, STEEL DECK SLABS, ETC.) WITHOUT PRIOR WRITTEN APPROVAL OF THE ARCHITECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE WORK OF ALL TRADES AND SHALL CHECK ALL DIMENSIONS. ANY DISCREPANCIES SHALL BE CALLED TO THE ATTENTION OF THE ARCHITECT AND BE RESOLVED BEFORE PROCEEDING WITH ANY WORK.          THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL EXCAVATION PROCEDURES INCLUDING LAGGING, SHORING, AND PROTECTION OF ADJACENT PROPERTY, STRUCTURES, STREETS AND UTILITIES IN ACCORDANCE WITH ALL NATIONAL, STATE, AND LOCAL SAFETY ORDINANCES.          THE STRUCTURAL INTEGRITY OF ANY BUILDING RELIES ON THE FULL INTERACTION OF ALL ITS COMPONENT PARTS, WITH NO PROVISIONS MADE FOR CONDITIONS AND/OR SEQUENCES OF CONSTRUCTION AND THE STRUCTURAL DESIGN IS BASED ON THIS PREMISE. THEREFORE THE CONTRACTOR SHALL PROVIDE ADEQUATE PROVISIONS FOR CONSTRUCTION.          CONTRACTOR SHALL VERIFY ALL WORKS, BRACKETS, BLOCKOUTS, FINISHES, AND FINISHES ARE CORRECTLY LOCATED.          THE USE OF REPRODUCTIONS OF THESE CONTRACT DRAWINGS BY ANY CONTRACTOR, ERECTOR, FABRICATOR OR MATERIAL SUPPLIER WITHOUT THE PREPARATION OF SHOP DRAWINGS SIGNIFICES HIS ACCEPTANCE OF ALL INFORMATION SHOWN HEREON AS CORRECT, AND OBLIGATES HIMSELF TO ANY JOB EXPENSE, REAL OR IMPLIED, DUE TO ANY ERRORS THAT MAY OCCUR.          CONTRACTOR IS RESPONSIBLE FOR ALL METHODS AND PROCEDURES DURING CONSTRUCTION. CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO MAINTAIN INTEGRITY OF STRUCTURE DURING CONSTRUCTION.          CONTRACTOR SHALL COORDINATE WITH THE ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING TRADES TO COORDINATE WITH THE MECHANICAL EQUIPMENT AND OPENINGS SPECIFIED BY THE MECHANICAL CONSULTANT. ANY SUBSTITUTIONS RESULTING IN REDUCTION TO THE STRUCTURE SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE WITH THE STRUCTURAL ENGINEER.          THE GENERAL CONTRACTOR AND SUBCONTRACTORS SHALL DETERMINE THE SCOPE OF THE STRUCTURAL WORK FROM THE CONTRACT DOCUMENTS TAKEN AS A WHOLE INCLUDING ARCHITECTURAL AND MECHANICAL DRAWINGS. THE STRUCTURAL DRAWINGS SHALL NOT BE CONSIDERED SEPARATELY FOR THE PURPOSES OF BIDDING STRUCTURAL WORK. CONTRACTOR SHALL REVIEW THE ENTIRE DRAWING PACKAGE IN ORDER TO DETERMINE THE SCOPE OF STRUCTURAL WORK INCLUDING NECESSARY COORDINATION SHOWN IN OTHER CONSULTANT DRAWINGS.          CONTRACTOR SHALL NOT SCALE THE DRAWINGS FOR THE PURPOSE OF DETERMINING DIMENSIONAL INFORMATION.          PRINCIPAL OPENINGS ARE INDICATED ON THE STRUCTURAL DRAWINGS. OTHER OPENINGS (E.G. BLOCKOUTS ETC.) ARE SHOWN IN THE ARCHITECTURAL AND MECHANICAL DRAWINGS. CONTRACTOR SHALL SUBMIT TO ARCHITECT AND ENGINEER A PLAN WITH ALL PROPOSED OPENINGS COORDINATED WITH ALL THE TRADES. ADDITIONAL REINFORCEMENT AND/OR STRUCTURAL MEMBERS MAY BE REQUIRED UPON REVIEW.          CONSTRUCTION MATERIALS SHALL BE SPREAD OUT IF PLACED ON THE STRUCTURE SO AS NOT TO EXCEED THE DESIGN LOAD PER SQUARE FOOT.          WHERE ANY DISCREPANCIES OCCUR BETWEEN PLANS, DETAILS, STRUCTURAL NOTES AND SPECIFICATIONS, THE GREATER REQUIREMENTS SHALL GOVERN.          APPROVED EQUAL OPTIONS ARE FOR THE CONTRACTOR'S CONVENIENCE AND ARE SUBJECT TO APPROVAL. IF AN OPTION IS CHOSEN, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CHANGES AND COSTS NECESSARY AND FOR COORDINATION OF ALL DETAILS AS REQUIRED TO INCORPORATE THE OPTION INTO THE WORK.</b></p>	<p><b>4. CONCRETE MASONRY UNIT (CMU)</b>          MASONRY WORK SHALL CONFORM TO ALL REQUIREMENTS OF ACI 531, "BUILDING CODE REQUIREMENTS FOR CONCRETE MASONRY STRUCTURES"; AND ACI 531, "BUILDING CODE REQUIREMENTS FOR CONCRETE MASONRY STRUCTURES".          2. HOLLOW CONCRETE MASONRY UNITS SHALL CONFORM TO ASTM C90 (NORMAL OR MEDIUM WEIGHT), GRADE N, TYPE L, (m = 1,500 psi, NET COMPRESSIVE STRENGTH OF 1,300 psi PER ASMT C140), RUNNING BOND.          3. MORTAR SHALL CONFORM TO ASTM C270 AND SHALL CONFORM TO THE PROPORTION SPECIFICATION OF TABLE 9.0.2.7 (3) TYPE S WITH 28 DAY COMPRESSIVE STRENGTH OF 1,300 psi. MASONRY CEMENT AND RETARDED CEMENTS SHALL NOT BE USED.          4. 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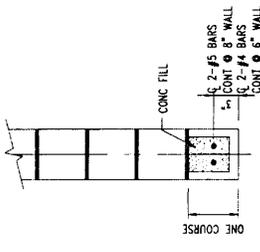




ISSUE LOG NO. 0 DATE: 7/14/13 DESCRIPTION: P56M1	 <b>GSF</b> CIVIL, STRUCTURAL & MECHANICAL ENGINEERING REGISTERED PROFESSIONAL ENGINEERS STATE OF TEXAS ENGINEER NO. 4395 TYPE Form No. 4395	 OFFICE OF THE REGISTERED PROFESSIONAL ENGINEERS STATE OF TEXAS 68320 HOUSTON, TEXAS	PROJECT NAME: HPD INDOOR PISTOL RANGE 17000 ALDINE - WESTFIELD HOUSTON, TX 77073 13-7 <b>CITY OF HOUSTON</b> <b>GENERAL SERVICES</b> <b>DEPARTMENT</b> APPROVAL:	DATE: 2-14-2013 PROJECT NO.: 13-7 DRAWING FILE: 190-9 CHECKED BY: CAG	SHEET TITLE: <b>TYPICAL MASONRY</b> <b>DETAILS</b> SHEET NO.: <b>S20</b> 4 OF 5 SHEETS CITY ENG. NO.: 13-7
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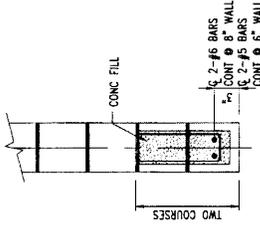
  

1



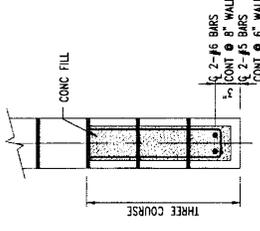
OPENNINGS LESS THAN 5'-0"

2



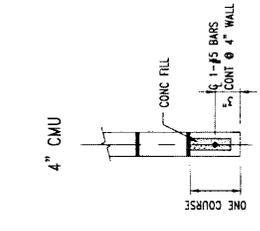
OPENNINGS LESS THAN 10'-0"

3



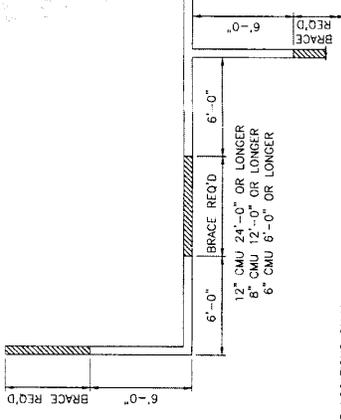
OPENNINGS LESS THAN 15'-0"

4



OPENNINGS LESS THAN 5'-0"

5

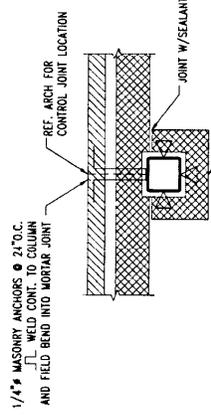


INTERIOR LOCATIONS ONLY  
 NON-LOAD BEARING MASONRY WALL BRACES, BRACING AT THE TOP OF MASONRY WALLS IS REQUIRED ON STRAIGHT RUNS OF WALL MORE THAN SIX FEET FROM A CORNER, INTERSECTING WALLS OR AS NOTED ABOVE.  
 WHEN THE MASONRY WALL TERMINATES AT THE BOTTOM OF THE CEILING, A TYPE 'A' ATTACHMENT AT THE FLOOR DECK OR A TYPE 'B', 'C', 'D' OR 'F' ATTACHMENT AT EITHER THE FLOOR OR ROOF MAY BE USED. WHEN WALLS TERMINATE ABOVE THE CEILING A TYPE 'B', 'C', 'D' OR 'E' ATTACHMENT SHOULD BE USED.

**7 MASONRY LINTEL SCHEDULE**  
SCALE: N.T.S.

NOTE:  
 PROVIDE BLOCK LINTELS FOR ALL OPENINGS IN INTERIOR & EXTERIOR BLOCK WALLS FOR WHICH STEEL LINTELS ARE NOT SCHEDULED. SEE ARCHITECTURAL DRAWINGS FOR SIZE & LOCATION OF OPENINGS.  
 PROVIDE 8" MIN BEARING EACH END OF LINTEL  
 PROVIDE (2) - #5 VERTICALS IN CROUTED CELL AT EACH JAMB



**9 TYPICAL CMU ANCHOR DETAIL AT EXTERIOR COLUMNS**  
SCALE: N.T.S.

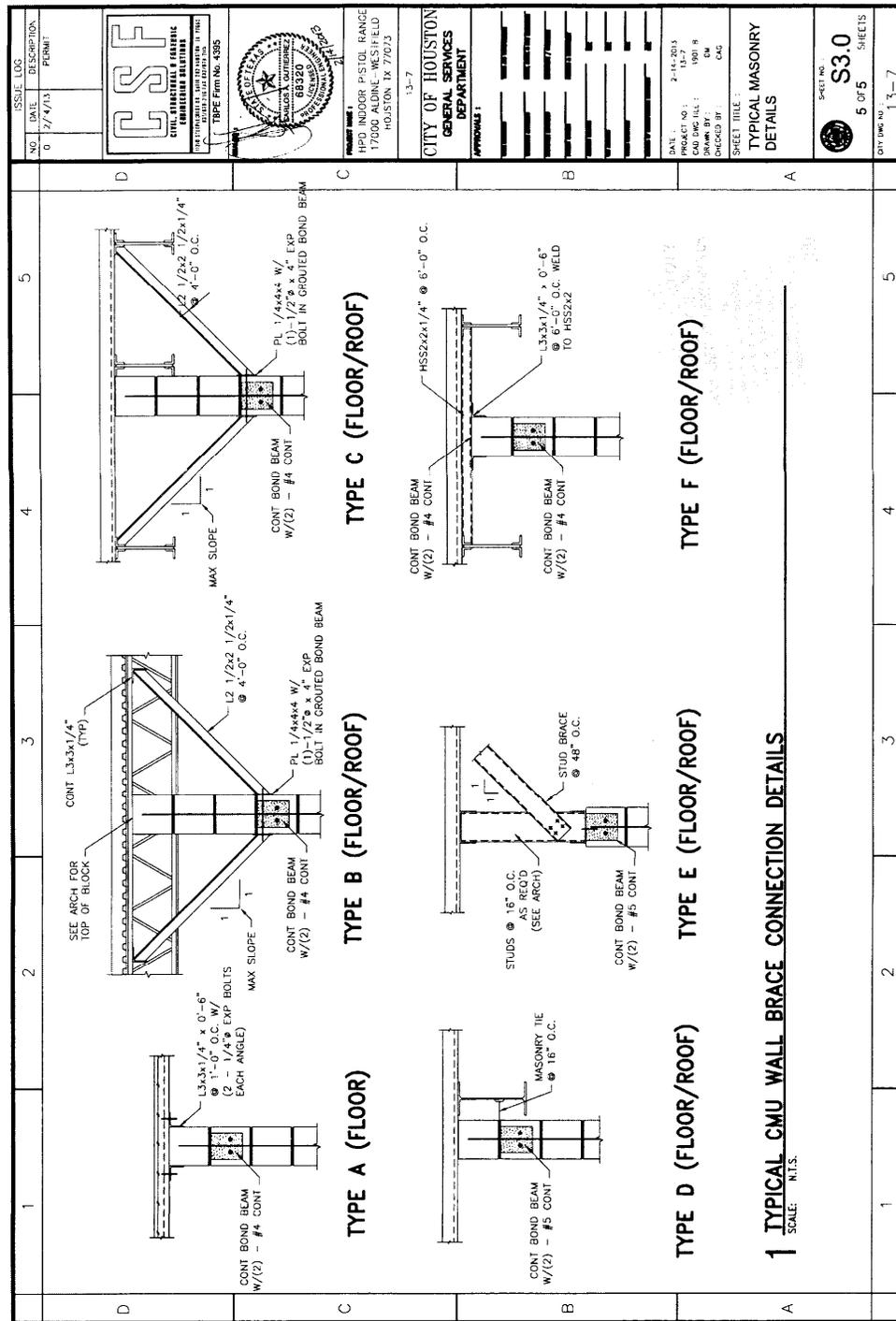
  

**8 TYPICAL CMU WALL BRACING LOCATION PLAN**  
SCALE: N.T.S.

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CMU STRUCTURAL DRAWINGS/TECHNICAL SPECIFICATIONS  
 can be also viewed on the following website

<https://purchasing.houstontx.gov/buyer/BidDocumentManager.aspx?id=C24829>



ISSUE LOG	DESCRIPTION
NO.	DATE
0	2/7/13
	POINT

**CSF**  
 CIVIL, STRUCTURAL & MECHANICAL ENGINEERING  
 14000 ALDRINE, WESTFIELD, HOUSTON, TX 77057  
 TYPE FIRM No. 4385

**CITY OF HOUSTON**  
 GENERAL SERVICES DEPARTMENT

PROJECT NO.: 13-7  
 HPD INDOOR PISTOL RANGE  
 17000 ALDRINE, WESTFIELD  
 HOUSTON, TX 77057

DATE: 2-14-2013  
 PROJECT NO.: 13-7  
 CAD DWG ILL.: CM  
 DRAWN BY: CM  
 CHECKED BY: CM

SHEET TITLE: TYPICAL MASONRY DETAILS

SHEET NO. S3.0  
 6 OF 5 SHEETS  
 DATE: 13-7

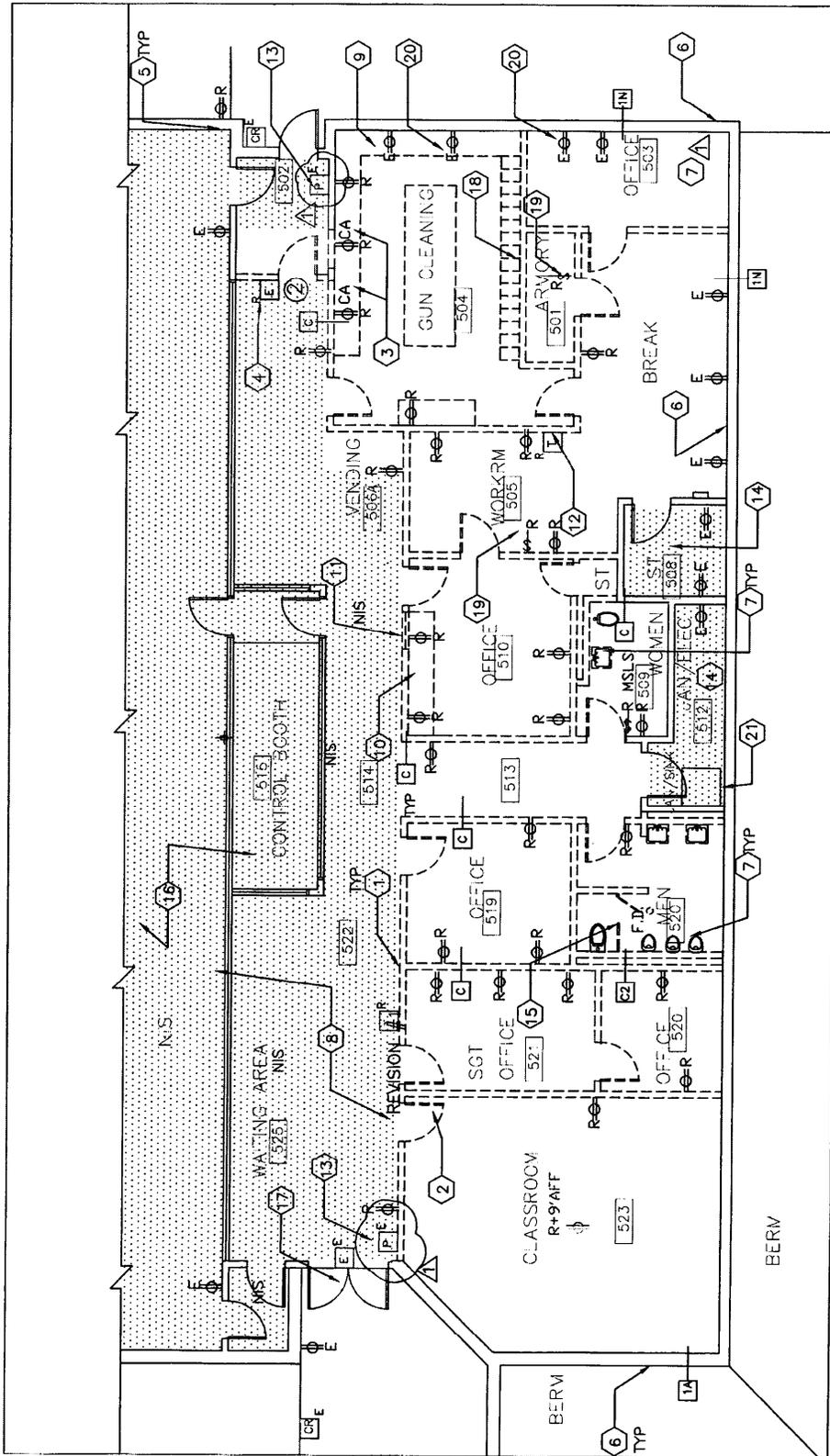
**DOOR SCHEDULE TECHNICAL SPECIFICATIONS**

NOTES ON DOOR SCHEDULE AND DETAILS

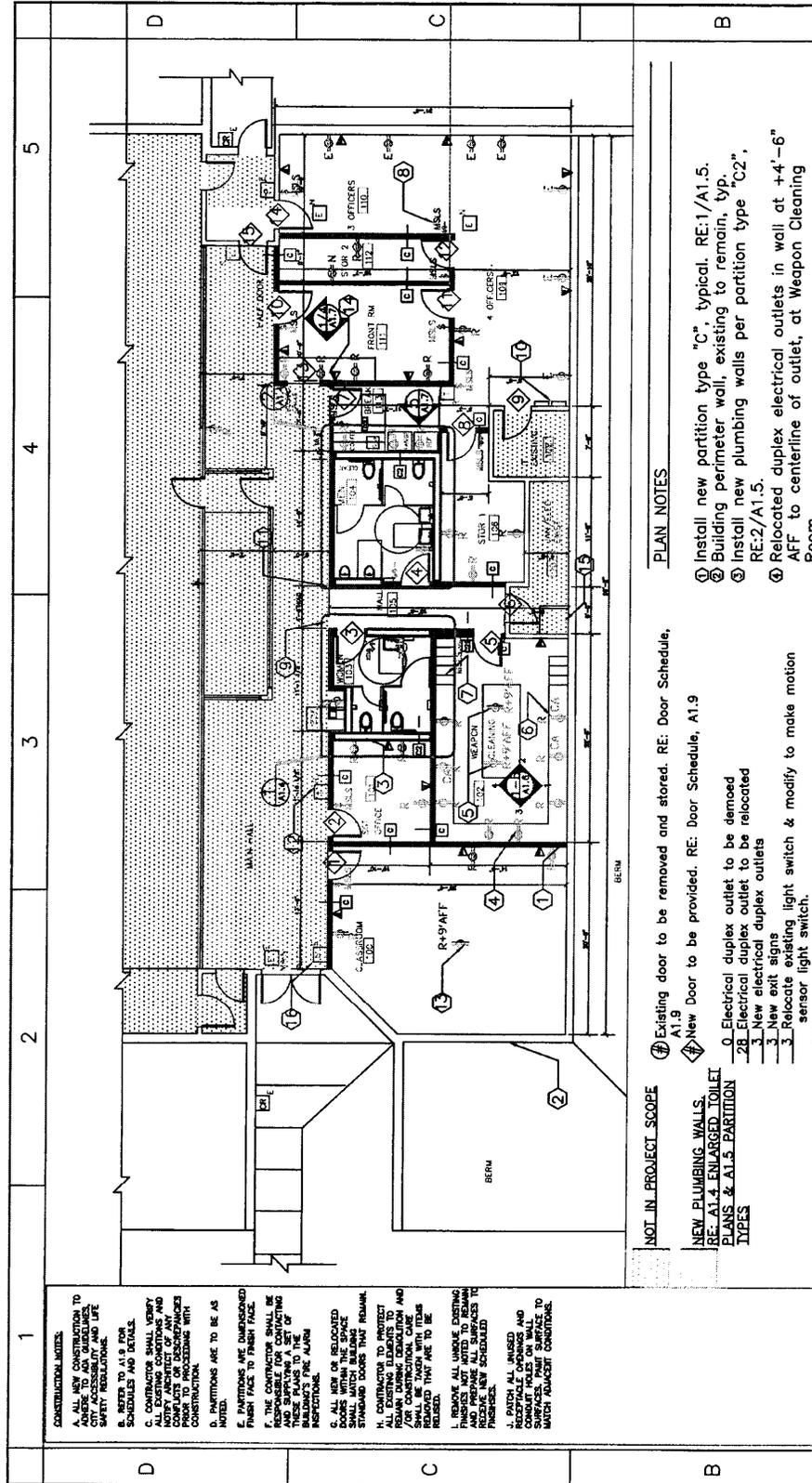
- CITY OF HOUSTON**  
 GENERAL SERVICES DEPARTMENT  
 HPD Indoor Shooting Range Remodel  
 17000 ALDINE-WESTFIELD  
 HOUSTON, TX 77073
1. No door to have glazing (typical).
  2. RE: SK - 1 for Door and Hardware Schedule
  3. RE: SK - 6, 7 for existing rolling counter grille

DOOR SCHEDULE										DOOR HARDWARE SCHEDULE			
DOOR NO.	SWING L/R	WIDTH	HEIGHT	THICKNESS	EXISTING OR NEW DOORS	TYPE	FRAME HEIGHT	FRAME	DOOR NO.	OFFICE LEVER LOCK	FLOOR MOUNTED DOOR STOP	NOTES	
1	LEFT	3'-0"	7'-10"	1 3/4"	NEW DOOR	F	18 GA. HM DOOR HORIZONTAL CORE PAINTED TO MATCH EXISTING	16 GA. HM FRAME	1	X	X		
2	RIGHT	3'-0"	7'-10"	1 3/4"	NEW DOOR	F	18 GA. HM DOOR HORIZONTAL CORE PAINTED TO MATCH EXISTING	16 GA. HM FRAME	2	X	X		
3	RIGHT	3'-0"	7'-10"	1 3/4"	NEW DOOR	F	18 GA. HM DOOR HORIZONTAL CORE PAINTED TO MATCH EXISTING	16 GA. HM FRAME	3	X	X		
4	RIGHT	3'-0"	7'-10"	1 3/4"	NEW DOOR	F	18 GA. HM DOOR HORIZONTAL CORE PAINTED TO MATCH EXISTING	16 GA. HM FRAME	4	X	X		
5	LEFT	3'-0"	7'-10"	1 3/4"	NEW DOOR	F	18 GA. HM DOOR HORIZONTAL CORE PAINTED TO MATCH EXISTING	16 GA. HM FRAME	5	X	X	NEW KEYPAD LOCK	
6	RIGHT	3'-0"	EXIST TO REMAIN	1 3/4"	EXISTING DOOR			EXISTING	6	EXISTING LOCK	X	EXISTING DOOR AND EX. KEYPAD LOCK TO REMAIN	
7	LEFT	3'-0"	7'-10"	1 3/4"	NEW DOOR	F	18 GA. HM DOOR HORIZONTAL CORE PAINTED TO MATCH EXISTING	16 GA. HM FRAME	7	X	X		
8	RIGHT	3'-0"	7'-10"	1 3/4"	NEW DOOR	F	18 GA. HM DOOR HORIZONTAL CORE PAINTED TO MATCH EXISTING	16 GA. HM FRAME	8	X	X	NEW KEYPAD LOCK	
9	RIGHT	3'-0"	EXIST	1 3/4"	EXIST			EXISTING	9	EX. LATCH LOCK UPPER, EX. KEYPAD LOCK LOWER	X	EXISTING KEYPAD LOCK, EX. LATCH LOCK UPPER EXISTING DOOR TO REMAIN.	
10	LEFT	3'-6"	7'-10"	1 3/4"	NEW HALF DOOR		18 GA. HM DOOR HORIZONTAL CORE PAINTED TO MATCH EXISTING	16 GA. HM FRAME	10	X	X	NEW ACCESSIBLE COUNTER HALF DOOR AT NEW FRONT ROOM, NEW KEYPAD LOCK	
11	RIGHT	3'-0"	7'-10"	1 3/4"	NEW DOOR	F	18 GA. HM DOOR HORIZONTAL CORE PAINTED TO MATCH EXISTING	16 GA. HM FRAME	11	X	X		
12	RIGHT	3'-0"	7'-10"	1 3/4"	NEW DOOR	F	18 GA. HM DOOR HORIZONTAL CORE PAINTED TO MATCH EXISTING	16 GA. HM FRAME	12	X	X	KEYPAD LOCK	
13	RG	3'-0"	EXIST	1 3/4"	EXISTING ROLLING	3	EXISTING ROLLING COUNTER	16 GA. HM FRAME RCG	13	NA	NA	EXISTING ROLLING GRILLE COUNTER, EXISTING LOCK TO REMAIN	
14	RIGHT	3'-0"	7'-10"	1 3/4"	NEW DOOR	F	18 GA. HM DOOR HORIZONTAL CORE PAINTED TO MATCH EXISTING	16 GA. HM FRAME	14	NONE	X		
15	LEFT	3'-0"	7'-10"	1 3/4"	EXISTING DOOR	2	SOLID CORE-METAL PAINTED TO MATCH EXISTING	16 GA. HM FRAME	15	NONE	X		

SHEET NO: SK-1



Demo Plan



**CONSTRUCTION NOTES:**  
 A. ALL NEW CONSTRUCTION TO ADHERE TO ALL APPLICABLE, CURRENT AND LATEST SAFETY REGULATIONS.  
 B. REFER TO A1.9 FOR SCHEDULES AND DETAILS.  
 C. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND COMPLIANCE OF DESCRIPTIONS PRIOR TO PROCEEDING WITH CONSTRUCTION.  
 D. CONDITIONS ARE TO BE AS NOTED.  
 E. PARTITIONS ARE DIMENSIONED FINISH FACE TO FINISH FACE.  
 F. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE BUILDING DEPARTMENT TO VERIFY THESE PLANS TO THE BUILDING'S FIRE ALARM RECEPTIONS.  
 G. ALL NEW OR RELOCATED ELECTRICAL PANELS SHALL MATCH BUILDING STANDARDS UNLESS OTHERWISE NOTED.  
 H. CONTRACTOR TO PROTECT ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION. CARE FOR CONSTRUCTION.  
 I. REMOVE ALL UNLIKE EXISTING PARTITIONS AND RELOCATE ALL SURFACES TO MATCH ADJACENT CONDITIONS.  
 J. REMOVE ALL UNLIKE EXISTING PARTITIONS AND RELOCATE ALL SURFACES TO MATCH ADJACENT CONDITIONS.

**NOT IN PROJECT SCOPE**

**NEW PLUMBING WALLS**  
 RE: A1 & ENLARGED TOILET PLANS & A1.5 PARTITION TYPES

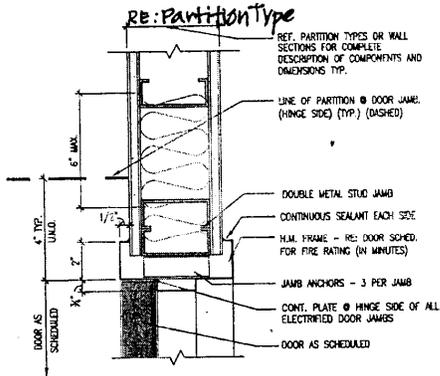
- ⑦ Existing door to be removed and stored. RE: Door Schedule, A1.9
- ⑧ New Door to be provided. RE: Door Schedule, A1.9
- ⑨ Electrical duplex outlet to be demoed
- ⑩ New electrical duplex outlet to be relocated
- ⑪ New electrical duplex outlets
- ⑫ New exit sign
- ⑬ Relocate existing light switch & modify to make motion sensor light switch.

**PLAN NOTES**

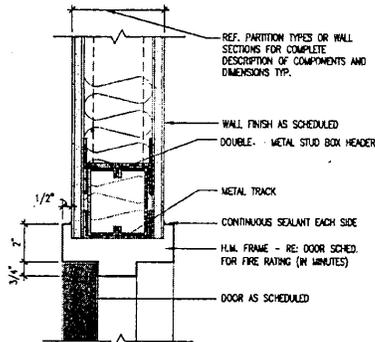
- ① Install new partition type "C", typical. RE:1/A1.5.
- ② Building perimeter wall, existing to remain, typ.
- ③ Install new plumbing walls per partition type "C2", RE:2/A1.5.
- ④ Relocated duplex electrical outlets in wall at +4'-6" AFF to centerline of outlet, at Weapon Cleaning Room.

*New Plan*

**CITY OF HOUSTON**  
**GENERAL SERVICES DEPARTMENT**  
**HPD Indoor Shooting Range Remodel**  
 17000 ALDINE-WESTFIELD  
 HOUSTON, TX 77073



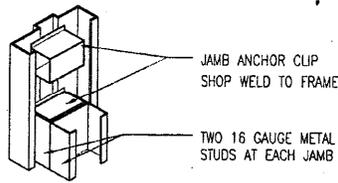
**02** JAMB DETAIL — SINGLE H.M.  
 3" = 1'-0" (DOOR)



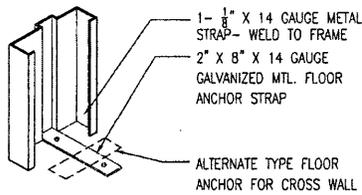
**01** HEAD DETAIL — SINGLE H.M.  
 3" = 1'-0" (DOOR)

SHEET No: SK-2

**CITY OF HOUSTON**  
 GENERAL SERVICES DEPARTMENT  
 HPD Indoor Shooting Range Remodel  
 17000 ALDINE-WESTFIELD  
 HOUSTON, TX 77073



**06** JAMB DIAGRAM TYP. JAMB ANCHOR FOR  
MTS METAL STUD PARTITION

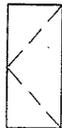


**04** JAMB DIAGRAM TYP. DOOR FRAME  
MTS FLOOR ANCHOR

SHEET No: SK-3

**CITY OF HOUSTON**  
GENERAL SERVICES DEPARTMENT  
HPD Indoor Shooting Range Remodel  
17000 ALDINE-WESTFIELD  
HOUSTON, TX 77073

DOOR TYPES



FLUSH  
F

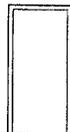


RCG Rolling Counter  
Grille

FRAME TYPES



A



CASED  
C

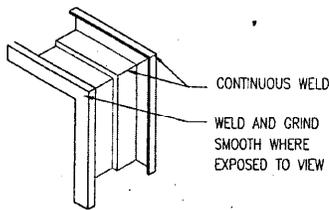


Panel

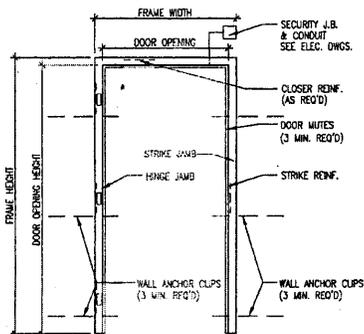
Transom  
Frame

SHEET No: SK-5

**CITY OF HOUSTON**  
 GENERAL SERVICES DEPARTMENT  
 HPD Indoor Shooting Range Remodel  
 17000 ALDINE-WESTFIELD  
 HOUSTON, TX 77073



**02** JAMB DIAGRAM TYP. DOOR  
FRAME CORNER  
 NTS

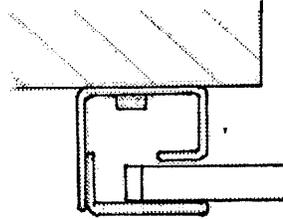


**01** DOOR FRAME DIAGRAM  
 NTS

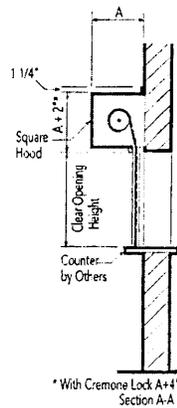
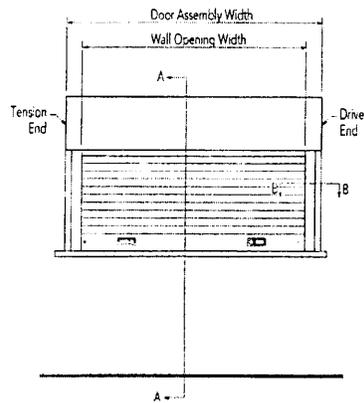
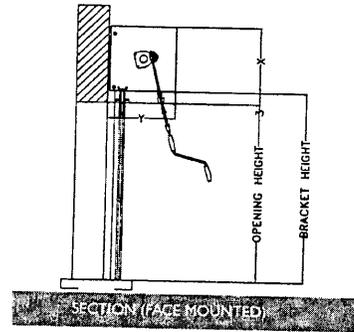
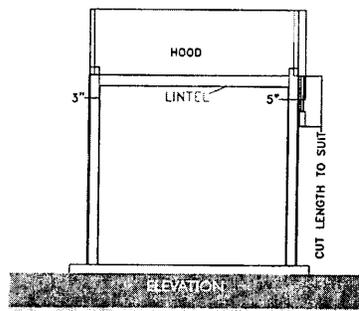
SHEET No: SK-4

**CITY OF HOUSTON**  
 GENERAL SERVICES DEPARTMENT  
 HPD Indoor Shooting Range Remodel  
 17000 ALDINE-WESTFIELD  
 HOUSTON, TX 77073

*Rolling Counter Grille*

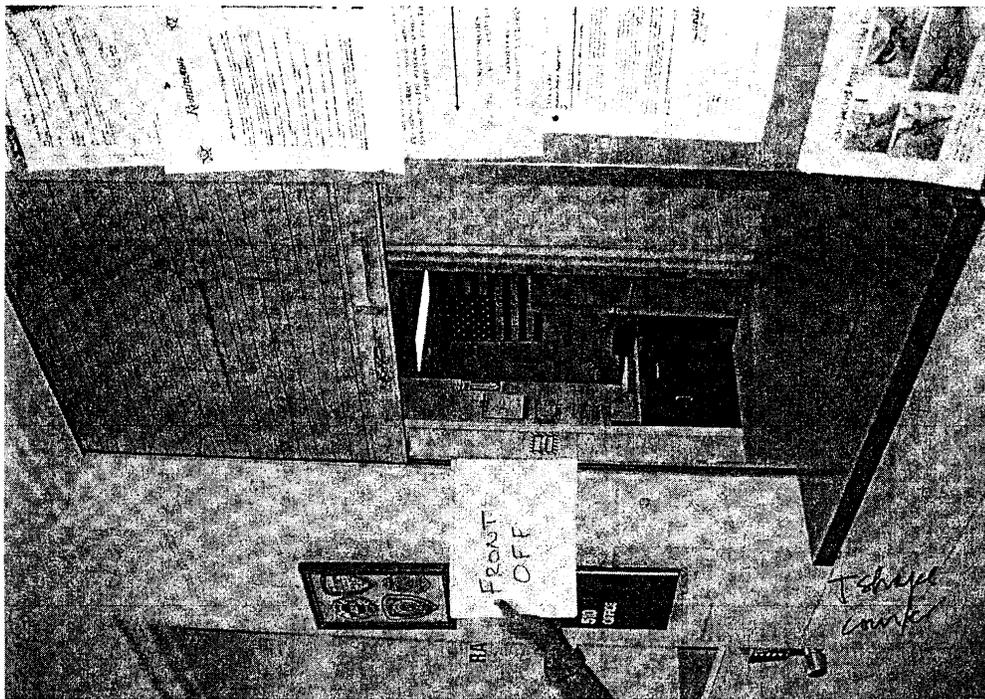


- Face Mounted to Masonry



*Existing Rolling Counter Grille*  
**Face-of-Wall Mounted**  
 Operation: Push-up, chain hoist or electric.\*

**SHEET No: SK-6**



SK-7

DOOR SCHEDULE & TECHNICAL SPECIFICATIONS  
can be also viewed on the following website

<https://purchasing.houstontx.gov/buyer/BidDocumentManager.aspx?id=C24829>

END OF SECTION

## SECTION C

A PDF version of this 2013 Building Wage Decision  
can be viewed on the following web link

<https://purchasing.houstontx.gov/buyer/BidDocumentManager.aspx?id=C24829>

### GENERAL TERMS AND CONDITIONS

A PDF version of the General Terms and Conditions can be viewed on the  
following web link

<https://purchasing.houstontx.gov/buyer/BidDocumentManager.aspx?id=C24829>

### Document 00800

### SUPPLEMENTARY CONDITIONS

The following Paragraphs amend and supplement the 2011 edition of General Conditions.  
Unaltered portions of General Conditions remain in effect.

#### ARTICLE 3 - THE CONTRACTOR

3.5 *LABOR: Insert the following Paragraph 3.5.3.1.1.*

3.5.3.1.1 Contractor shall make good faith efforts to comply with the City ordinances regarding Minority and Women Business Enterprises (MWBE) and Persons with Disabilities Business Enterprises (PDBE) participation goals which are as follows:

- .1 the MWBE goal is 0 percent, and
- .2 the PDBE goal is 0 percent.

#### 3.28 **CONTRACTOR DEBT**

3.28.1 **IF CONTRACTOR, AT ANY TIME DURING THE TERM OF THIS AGREEMENT, INCURS A DEBT, AS THE WORD IS DEFINED IN SECTION 15-122 OF THE HOUSTON CITY CODE OF ORDINANCES, IT SHALL IMMEDIATELY NOTIFY CITY CONTROLLER IN WRITING. IF CITY CONTROLLER BECOMES AWARE THAT CONTRACTOR HAS INCURRED A DEBT, IT SHALL IMMEDIATELY NOTIFY CONTRACTOR IN WRITING. IF CONTRACTOR DOES NOT PAY THE DEBT WITHIN 30 DAYS OF EITHER SUCH NOTIFICATION, CITY CONTROLLER MAY DEDUCT FUNDS IN AN AMOUNT EQUAL TO THE DEBT FROM ANY PAYMENTS OWED TO CONTRACTOR UNDER THIS AGREEMENT, AND CONTRACTOR WAIVES ANY RECOURSE THEREFORE.**

#### ARTICLE 8 - TIME

8.1 *PROGRESS AND COMPLETION: Delete Paragraph 8.1.6. and replace with the following 8.1.6.*

8.1.6.1 Contractor shall credit the City by Change Order for inspection services for overtime work or work performed on Sundays or Legal Holidays. The amount Contractor credits the City will be **\$50.00 per hour** per inspector for inspection services.

## ARTICLE 9 - PAYMENTS AND COMPLETION

9.1 *UNIT PRICE WORK: Delete Section 9.1 in its entirety and insert the following Section 9.1.*

9.1 *References to Unit Prices in individual Specification sections are not applicable to the Contract. Include payment for portions of the Work required by these sections in the Stipulated Price for the Contract.*

9.12 **LIQUIDATED DAMAGES:** *Insert the following Paragraph 9.12.1.1.*

9.12.1.1 The amount of liquidated damages provided in General Conditions Paragraph 9.12.1 payable by Contractor or Surety for each and every day of delay beyond Contract Time, are **\$800.00 per day.**

## ARTICLE 11 - INSURANCE AND BONDS

11.2 *INSURANCE TO BE PROVIDED BY CONTRACTOR: Delete Paragraph 11.2.8. and replace with the following 11.2.8.*

11.2.1.4 Contractor shall provide Owners and Contractor's Protective Liability Insurance only if the contractor's bid price is equal to or greater than \$100,000.00.

11.2.8 *Endorsement of Primary Insurance:* Each policy except Workers' Compensation Insurance must contain an endorsement that the policy is primary insurance to any other insurance available to additional insured with respect to claims arising under the Contract.



**Document 00612**  
**ONE-YEAR MAINTENANCE BOND**

**THAT WE,** \_\_\_\_\_, as Principal, hereinafter called Contractor, and the other subscriber hereto, \_\_\_\_\_, as Surety, do hereby acknowledge ourselves to be held and firmly bound to the City of Houston, a municipal corporation, in the sum of \$ \_\_\_\_\_, for the payment of which sum well and truly to be made to the City of Houston and its successors, the said Contractor and Surety do bind themselves, their heirs, executors, administrators, successors, jointly and severally.

**THE CONDITIONS OF THIS OBLIGATION ARE SUCH THAT:**

**WHEREAS,** the Contractor has on or about this day executed a Contract in writing with the City of Houston for \_\_\_\_\_,  
\_\_\_\_\_,  
all of such work to be done as set out in full in said Contract documents therein referred to and adopted by the City Council, all of which are made a part of this instrument as fully and completely as if set out in full herein.

**NOW THEREFORE,** if the said Contractor shall comply with the provisions of Paragraph 11.5.1 of the General Conditions, and correct work not in accordance with the Contract documents discovered within the established one-year period, then this obligation shall become null and void, and shall be of no further force and effect; otherwise, the same is to remain in full force and effect.

Notices required or permitted hereunder shall be in writing and shall be deemed delivered when actually received or, if earlier, on the third day following deposit in a United States Postal Service post office or receptacle, with proper postage affixed (certified mail, return receipt requested), addressed to the respective other party at the address prescribed in the Contract documents, or at such other address as the receiving party may hereafter prescribe by written notice to the sending party.

**IN WITNESS THEREOF,** the said Contractor and Surety have signed and sealed this instrument on the respective dates written below their signatures and have attached current Power of Attorney.

ATTEST, SEAL: (if a corporation)

WITNESS: (if not a corporation)

Name of Contractor

By: \_\_\_\_\_

Name:

Title:

By: \_\_\_\_\_

Name:

Title:

Date:

ATTEST/SURETY WITNESS:

(SEAL)

Full Name of Surety

Address of Surety for Notice

Telephone Number of Surety

By: \_\_\_\_\_

Name:

Title:

Date:

By: \_\_\_\_\_

Name:

Title: Attorney-in-Fact

Date:

This Ordinance or Contract has been reviewed as to form by the undersigned legal assistant and have been found to meet established Legal Department criteria. The Legal Department has not reviewed the content of these documents.

\_\_\_\_\_  
Legal Assistant

\_\_\_\_\_  
Date

**Document 00610**  
**PERFORMANCE BOND**

**THAT WE,** \_\_\_\_\_, as Principal, (the "Contractor"), and the other subscriber hereto, \_\_\_\_\_, as Surety, do hereby acknowledge ourselves to be held and firmly bound to the City of Houston (the "City"), a municipal corporation, in the penal sum of \$\_\_\_\_\_ for the payment of which sum, well and truly to be made to the City, its successors and assigns, Contractor and Surety do bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally.

**THE CONDITIONS OF THIS OBLIGATION ARE SUCH THAT:**

**WHEREAS,** the Contractor has on or about this day executed a Contract in writing with the City for \_\_\_\_\_, \_\_\_\_\_, all of such work to be done as set out in full in said Contract documents therein referred to and adopted by the City Council, all of which are made a part of this instrument as fully and completely as if set out in full herein.

**NOW THEREFORE,** if the said Contractor shall faithfully and strictly perform the Contract in all its terms, provisions, and stipulations in accordance with its true meaning and effect, and in accordance with the Contract documents referred to therein and shall comply strictly with each and every provision of the Contract and with this Bond, then this obligation shall become null and void and shall have no further force and effect; otherwise the same is to remain in full force and effect. Should the Contractor fail to faithfully and strictly perform the Contract in all its terms, including but not limited to the indemnifications thereunder, the Surety shall be liable for all damages, losses, expenses and liabilities that the City may suffer in consequence thereof, as more fully set forth herein.

It is further understood and agreed that the Surety does hereby relieve the City or its representatives from the exercise of any diligence whatever in securing compliance on the part of the Contractor with the terms of the Contract, and the Surety agrees that it shall be bound to take notice of and shall be held to have knowledge of all acts or omissions of the Contractor in all matters pertaining to the Contract. The Surety understands and agrees that the provision in the Contract that the City will retain certain amounts due the Contractor until the expiration of 30 days from the acceptance of the Work is intended for the City's benefit, and the City will have the right to pay or withhold such retained amounts or any other amount owing under the Contract without changing or affecting the liability of the Surety hereon in any degree.

It is further expressly agreed by Surety that the City or its representatives are at liberty at any time, without notice to the Surety, to make any change in the Contract documents and in the Work to be done thereunder, as provided in the Contract, and in the terms and conditions thereof, or to make any change in, addition to, or deduction from the Work to be done thereunder; and that such changes, if made, shall not in any way vitiate the obligation in this Bond and undertaking or release the Surety therefrom.

It is further expressly agreed and understood that the Contractor and Surety will fully indemnify and save harmless the City from any liability, loss, cost, expense, or damage arising out of Contractor's performance of the Contract.

If the City gives Surety notice of Contractor's default, Surety shall, within 45 days, take one of the following actions:

1. Arrange for Contractor, with consent of the City, to perform and complete the Contract; or
2. Take over and assume completion of the Contract itself, through its agents or through independent contractors, and become entitled to the payment of the balance of the Contract Price.

If the Surety fails to take either of the actions set out above, it shall be deemed to have waived its right to perform and complete the Contract and receive payment of the balance of the Contract Price and the City shall be entitled to enforce any remedies available at law, including but not limited to completing the Contract itself and recovering any cost in excess of the Original Contract Price from the Surety.

This Bond and all obligations created hereunder shall be performable in Harris County, Texas. This Bond is given in compliance with the provisions of Chapter 2253, Texas Government Code, as amended, which is incorporated herein by this reference.

Notices required or permitted hereunder shall be in writing and shall be deemed delivered when actually received or, if earlier, on the third day following deposit in a United States Postal Service post office or receptacle, with proper postage affixed (certified mail, return receipt requested), addressed to the respective other Party at the address prescribed in the Contract documents, or at such other address as the receiving party may hereafter prescribe by written notice to the sending party.

EXECUTED in multiple originals this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_.

ATTEST/SEAL: (if a corporation)  
WITNESS: (if not corporation)

\_\_\_\_\_  
(Name of Principal)

\_\_\_\_\_  
(Address of Principal)

By: \_\_\_\_\_  
Name:  
Title:  
Date:

By: \_\_\_\_\_  
Name:  
Title:  
Date:

ATTEST/SEAL  
SURETY WITNESS:

\_\_\_\_\_  
(Name of Surety)

\_\_\_\_\_  
(Address of Surety)

By: \_\_\_\_\_  
Name:  
Title:  
Date:

By: \_\_\_\_\_  
Name:  
Title:  
Date:

REVIEWED:

This Bond has been reviewed as to form by the undersigned Paralegal and has been found to meet established Legal Department criteria.

\_\_\_\_\_  
Date

\_\_\_\_\_  
Paralegal

**Document 00611**  
**STATUTORY PAYMENT BOND**

**THAT WE**, \_\_\_\_\_, as Principal, hereinafter called Contractor and the other subscriber hereto, \_\_\_\_\_, as Surety, do hereby acknowledge ourselves to be held and firmly bound unto the City of Houston, a municipal corporation, in the sum of \$\_\_\_\_\_ for the payment of which sum, well and truly to be made to the City of Houston, and its successors, the said Contractor and Surety do bind themselves, their heirs, executors, administrators, successors, jointly and severally.

**THE CONDITIONS OF THIS OBLIGATION ARE SUCH THAT:**

**WHEREAS**, the Contractor has on or about this day executed a contract in writing with the City of Houston for \_\_\_\_\_, \_\_\_\_\_, all of such work to be done as set out in full in said Contract documents therein referred to and adopted by the City Council, all of which are made a part of this instrument as fully and completely as if set out in full herein;

**NOW, THEREFORE**, if the said Contractor shall pay all claimants supplying labor and materials to him or a Subcontractor in the prosecution of the Work provided for in the Contract, then, this obligation shall be void; otherwise the same is to remain in full force and effect;

**PROVIDED HOWEVER**, that this Bond is executed pursuant to the provisions of Chapter 2253, Texas Government Code, as amended, and all liabilities on this Bond shall be determined in accordance with the provisions of said Article to the same extent as if it were copied at length herein.

**IN WITNESS THEREOF**, the said Contractor and Surety have signed and sealed this instrument on the respective dates written below their signatures and have attached current Power of Attorney.

ATTEST, SEAL: (if a corporation)  
WITNESS: (if not a corporation)

\_\_\_\_\_  
Name of Contractor

By: \_\_\_\_\_  
Name:  
Title:

By: \_\_\_\_\_  
Name:  
Title:  
Date:

ATTEST/SURETY WITNESS:  
(SEAL)

\_\_\_\_\_  
Full Name of Surety

\_\_\_\_\_  
Address of Surety for Notice

\_\_\_\_\_

\_\_\_\_\_  
Telephone Number of Surety

By: \_\_\_\_\_  
Name:  
Title:  
Date:

By: \_\_\_\_\_  
Name:  
Title: Attorney-in-Fact  
Date:

This Ordinance or Contract has been reviewed as to form by the undersigned legal assistant and have been found to meet established Legal Department criteria. The Legal Department has not reviewed the content of these documents.

\_\_\_\_\_  
Legal Assistant

\_\_\_\_\_  
Date